



14/March/2011

## MC-PAD Training Event at CERN

### Programme (updated version)

#### Tuesday, 15 March 2011

- 18:00 Registration + aperitif. Cafeteria area in B 40.

#### Wednesday, 16 March 2011

- 8:30 Welcome and late registrations (auditorium B 222).
- 9:00 Lectures
  - Gas detectors: Leszek Ropelewski, Mar Capeans, Rob Veenhof, Heinrich Schindler (13-3-005)
  - Photodetectors: Christian Joram, Nicoleta Dinu (17-1-007)
- 12:00 Lunch in Resto. In parallel, discussions in small groups with Els Koffeman on PhD studies. Room 61-1-007.
- 13:30 Lab exercises (see list below)
- 18:00 Meeting of the MC-PAD Supervisory Board (20-1-004)

#### Thursday, 17 March 2011

- Morning: visits of CERN installations (logistics detail to be communicated)
  - 9:00: ATLAS visitor centre (group 1). Guides: Alex Penson and James Catmore
  - 9:00: Cern Central Control room (group 2). Guide: Bettina Mikulec
  - 10:00: ATLAS visitor centre (group 2). Guides: Patrick Fassnacht and Daniel Dobos.
  - 11:00: CERN Central Control room (group 1). Guide: Bettina Mikulec
- Afternoon: social activity + dinner. Bus leaves at 13:30.
- Guided tours at the International Red Cross and Red Crescent Museum and the Palais des Nations .
- Dinner: Mountain restaurant [Florimont](#)

#### Friday, 18 March 2011

- 9:00 Lectures
  - Gas detectors: Leszek Ropelewski, Mar Capeans, Rob Veenhof, Heinrich Schindler (13-3-005)
  - Photodetectors: Christian Joram, Nicoleta Dinu (17-1-007)
- 13:30 Lab exercises (see list below)

### List of foreseen photodetector lab set-ups (17-1-025)

1. Absolute measurement of the quantum efficiency of a classical PMT. Tutor(s): C. Joram, S. Jakobsen
2. Evaluation of the cross-talk of a multi-anode PMT (Hamamatsu R7600). Tutor(s): C. Joram, S. Jakobsen
3. Characterization of a MCP-PMT (pulse height distribution, timing properties, photoelectron back scattering) Tutor(s): S. Korpar
4. Single photon counting measurements with a hybrid photon detector. Tutor(s): T. Gys
5. Characterization of the static and dynamic properties of a SiPM. Tutor(s): N. Dinu

### List of foreseen gaseous detector lab set-ups (B154)

1. Gas gain calibration of a GEM detector, L. Ropelewski et al.
2. Charge transfer properties of a GEM detector, L. Ropelewski et al.
3. Simulation of gaseous detectors, R. Veenhof, H. Schindler
4. Resistive Plate Chamber, Roberto Guida
5. ATLAS Monitored Drift Tube, Joerg Dubbert
6. MicroMegas detector properties, Joerg Wotschack.

